

## APPENDIX C      NOISE DATA

## ON-SITE TRAFFIC NOISE LEVELS AND NOISE CONTOURS

Project Number: 10261-00  
Project Name: Pacific City

### Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.  
Source of Traffic Volumes: Linscott, Law & Greenspan  
Community Noise Descriptor: L<sub>dn</sub>: X CNEL: \_\_\_\_\_

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Analysis Condition	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix Medium Trucks	Vehicle Mix Heavy Trucks	Distance from Centerline of Roadway Ldn at 100 Feet	Distance to Contour 70 Ldn	Distance to Contour 65 Ldn	Distance to Contour 60 Ldn
Roadway, Segment											

### Existing Traffic Volumes

<b>1st Street</b>											
Atlanta Ave. to Pacific Coast Highway	4	12	5,979	35	0.5	1.8%	0.7%	56.0	-	-	54
<b>Atlanta Avenue</b>											
1st Street to Huntington Avenue	3	12	9,267	35	0.5	1.8%	0.7%	57.9	-	-	72
<b>Huntington Avenue</b>											
Atlanta Avenue to Pacific Coast Highway	3	0	1,887	35	0.5	1.8%	0.7%	50.9	-	-	-
<b>Pacific Coast Highway</b>											
Huntington Avenue to 1st Street	2	0	37,545	45	0.5	1.8%	0.7%	66.3	57	123	265

### Future Without Project Traffic Volumes

<b>1st Street</b>											
Atlanta Ave. to Pacific Coast Highway	2	0	6,753	35	0.5	1.8%	0.7%	56.4	-	-	57
<b>Atlanta Avenue</b>											
1st Street to Huntington Avenue	2	0	10,312	35	0.5	1.8%	0.7%	58.2	-	35	76
<b>Huntington Avenue</b>											
Atlanta Avenue to Pacific Coast Highway	2	0	2,019	35	0.5	1.8%	0.7%	51.1	-	-	-
<b>Pacific Coast Highway</b>											
Huntington Avenue to 1st Street	2	0	43,810	45	0.5	1.8%	0.7%	67.0	63	136	293

### Future With Project Traffic Volumes

<b>1st Street</b>											
Atlanta Ave. to Pacific Coast Highway	4	12	8,401	35	0.5	1.8%	0.7%	57.5	-	-	68
<b>Atlanta Avenue</b>											
1st Street to Huntington Avenue	3	12	10,589	35	0.5	1.8%	0.7%	58.4	-	-	79
<b>Huntington Avenue</b>											
Atlanta Avenue to Pacific Coast Highway	2	0	4,055	35	0.5	1.8%	0.7%	54.2	-	-	41
<b>Pacific Coast Highway</b>											
Huntington Avenue to 1st Street	2	0	43,810	45	0.5	1.8%	0.7%	67.0	63	136	293
<b>Pacific View</b>											
Huntington Avenue to 1st Street	2	0	7,579	45	0.5	1.8%	0.7%	59.4	-	42	91

### General Plan Buildout (2020) Without Project Traffic Volumes

<b>1st Street</b>											
Atlanta Ave. to Pacific Coast Highway	2	0	5,000	35	0.5	1.8%	0.7%	55.1	-	-	47
<b>Atlanta Avenue</b>											
1st Street to Huntington Avenue	2	0	12,000	35	0.5	1.8%	0.7%	58.9	-	39	84
Huntington Avenue to Delaware Street	2	0	12,000	35	0.5	1.8%	0.7%	58.9	-	39	84
<b>Huntington Avenue</b>											
south of Atlanta Avenue	2	0	400	35	0.5	1.8%	0.7%	44.1	-	-	-
<b>Delaware Street</b>											
Atlanta Ave. to Pacific Coast Highway	2	0	2,000	35	0.5	1.8%	0.7%	51.1	-	-	-
<b>Pacific Coast Highway</b>											
Huntington Avenue to 1st Street	2	0	49,800	45	0.5	1.8%	0.7%	67.6	69	148	320

### General Plan Buildout (2020) With Project Traffic Volumes

#### 1st Street

Atlanta Ave. to Pacific Coast Highway	4	12	6,648	35	0.5	1.8%	0.7%	56.5	-	-	58
<b>Atlanta Avenue</b>											
1st Street to Huntington Avenue	3	12	12,277	35	0.5	1.8%	0.7%	59.1	-	-	87
Huntington Avenue to Delaware Street	2	0	14,231	35	0.5	1.8%	0.7%	59.6	-	44	94
<b>Huntington Avenue</b>											
south of Atlanta Avenue	2	0	1,014	35	0.5	1.8%	0.7%	48.2	-	-	-
<b>Delaware Street</b>											
Atlanta Ave. to Pacific Coast Highway	2	0	3,422	35	0.5	1.8%	0.7%	53.4	-	-	37
<b>Pacific Coast Highway</b>											
Huntington Avenue to 1st Street	2	0	47,310	45	0.5	1.8%	0.7%	67.3	67	143	309

<sup>1</sup> Distance is from the centerline of the roadway segment to the receptor location.

"-" = contour is located within the roadway right-of-way.

## OFF-SITE TRAFFIC NOISE LEVELS

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### Traffic Noise Levels

Analysis Condition				Peak		Design	Dist. from		Barrier		Vehicle Mix	Peak Hou	24-Hour
Roadway Name			Median	Hour	ADT	Speed	Center to	Alpha	Attn.	Medium	Heavy	dB(A)	dB(A)
Roadway Segment	Land Use	Lanes	Width	Volume	Volume	(mph)	Receptor	Factor	dB(A)	Trucks	Trucks	$L_{eq}$	Ldn

#### Existing Traffic Volumes

Pacific Coast Highway													
17th to 9th	Multi-Family Residential	4	12	0	37,144	40	75	0.5	0	1.8%	0.7%	0.0	67.3
Beach Boulevard													
PCH to Atlanta	Single Family Residential	6	12	0	13,000	35	100	0.5	0	1.8%	0.7%	0.0	59.7
Atlanta to Indianapolis	Single Family Residential	6	18	0	21,000	40	100	0.5	0	1.8%	0.7%	0.0	63.1
Indianapolis to Adams	Single and Multi-Family R	6	18	0	29,000	40	100	0.5	0	1.8%	0.7%	0.0	64.6
Lake Street													
Adams to Indianapolis	Single Family Residential	2	12	0	6,000	35	50	0.5	0	1.8%	0.7%	0.0	60.6
Indianapolis Avenue													
Beach to Newland	Single Family Residential	4	0	0	7,000	30	75	0.5	0	1.8%	0.7%	0.0	57.6
Atlanta Avenue													
Newland to Beach	Multi-Family Residential	4	12	0	16,000	35	75	0.5	0	1.8%	0.7%	0.0	62.3
Beach to Delaware	Single and Multi-Family R	2	12	0	16,000	35	50	0.5	0	1.8%	0.7%	0.0	64.8
Delaware to Huntington	Single and Multi-Family R	2	12	0	10,849	35	50	0.5	0	1.8%	0.7%	0.0	63.1
Huntington to 1st	Single and Multi-Family R	2	0	0	9,267	30	50	0.5	0	1.8%	0.7%	0.0	61.3
Main Street													
Adams to Palm	Single Family Residential	2	0	0	5,000	30	50	0.5	0	1.8%	0.7%	0.0	58.7
1st Street													
PCH to Atlanta	Single Family Residential	2	0	0	5,979	30	50	0.5	0	1.8%	0.7%	0.0	59.4
Huntington Avenue													
PCH to Atlanta	Single Family Residential	2	0	0	1,887	30	50	0.5	0	1.8%	0.7%	0.0	54.4

#### Future Without Project Traffic Volumes

Pacific Coast Highway													
17th to 9th	Multi-Family Residential	4	12	0	42,711	40	75	0.5	0	1.8%	0.7%	0.0	67.9
Beach Boulevard													
PCH to Atlanta	Single Family Residential	6	12	0	17,636	35	100	0.5	0	1.8%	0.7%	0.0	61.0
Atlanta to Indianapolis	Single Family Residential	6	18	0	25,629	40	100	0.5	0	1.8%	0.7%	0.0	64.0
Indianapolis to Adams	Single and Multi-Family R	6	18	0	33,962	40	100	0.5	0	1.8%	0.7%	0.0	65.2
Lake Street													
Adams to Indianapolis	Single Family Residential	2	12	0	6,420	35	50	0.5	0	1.8%	0.7%	0.0	60.9
Indianapolis Avenue													
Beach to Newland	Single Family Residential	4	0	0	7,788	30	75	0.5	0	1.8%	0.7%	0.0	58.1
Atlanta Avenue													
Newland to Beach	Multi-Family Residential	4	12	0	18,173	35	75	0.5	0	1.8%	0.7%	0.0	62.9
Beach to Delaware	Single and Multi-Family R	2	12	0	17,583	35	50	0.5	0	1.8%	0.7%	0.0	65.2
Delaware to Huntington	Single and Multi-Family R	2	12	0	12,004	35	50	0.5	0	1.8%	0.7%	0.0	63.6
Huntington to 1st	Single and Multi-Family R	2	0	0	10,312	30	50	0.5	0	1.8%	0.7%	0.0	61.8
Main Street													
Adams to Palm	Single Family Residential	2	0	0	6,629	30	50	0.5	0	1.8%	0.7%	0.0	59.9
1st Street													
PCH to Atlanta	Single Family Residential	4	0	0	5,000	30	75	0.5	0	1.8%	0.7%	0.0	56.2
Huntington Avenue													
PCH to Atlanta	Single Family Residential	4	0	0	5,000	30	75	0.5	0	1.8%	0.7%	0.0	56.2

#### Future With Project Traffic Volumes

Pacific Coast Highway														
17th to 9th	Multi-Family Residential	4	12	0	44,881	40	75	0.5	0	1.8%	0.7%	0.0	68.1	
Beach Boulevard														
PCH to Atlanta	Single Family Residential	6	12	0	20,240	35	100	0.5	0	1.8%	0.7%	0.0	61.6	
Atlanta to Indianapolis	Single Family Residential	6	18	0	29,408	40	100	0.5	0	1.8%	0.7%	0.0	64.6	
Indianapolis to Adams	Single and Multi-Family Residential	6	18	0	37,700	40	100	0.5	0	1.8%	0.7%	0.0	65.7	
Lake Street														
Adams to Indianapolis	Single Family Residential	2	12	0	6,805	35	50	0.5	0	1.8%	0.7%	0.0	61.1	
Indianapolis Avenue														
Beach to Newland	Single Family Residential	4	0	0	7,983	30	75	0.5	0	1.8%	0.7%	0.0	58.2	
Atlanta Avenue														
Newland to Beach	Multi-Family Residential	4	12	0	18,839	35	75	0.5	0	1.8%	0.7%	0.0	63.1	
Beach to Delaware	Single and Multi-Family Residential	2	12	0	19,445	35	50	0.5	0	1.8%	0.7%	0.0	65.7	
Delaware to Huntington	Single and Multi-Family Residential	2	12	0	14,235	35	50	0.5	0	1.8%	0.7%	0.0	64.3	
Huntington to 1st	Single and Multi-Family Residential	3	12	0	10,589	30	50	0.5	0	1.8%	0.7%	0.0	62.3	
Main Street														
Adams to Palm	Single Family Residential	2	0	0	4,502	30	50	0.5	0	1.8%	0.7%	0.0	58.2	
1st Street														
PCH to Atlanta	Single Family Residential	4	12	0	8,401	30	75	0.5	0	1.8%	0.7%	0.0	58.6	
Huntington Avenue														
PCH to Atlanta	Single Family Residential	3	0	0	4,055	30	75	0.5	0	1.8%	0.7%	0.0	55.1	

#### General Plan (2020) Without Project

Pacific Coast Highway													
17th to 9th	Multi-Family Residential	4	12	0	50,500	40	75	0.5	0	1.8%	0.7%	0.0	68.6
Beach Boulevard													
PCH to Atlanta	Single Family Residential	6	12	0	23,400	35	100	0.5	0	1.8%	0.7%	0.0	62.2
Atlanta to Indianapolis	Single Family Residential	6	18	0	31,800	40	100	0.5	0	1.8%	0.7%	0.0	65.0
Indianapolis to Adams	Single and Multi-Family R	6	18	0	36,300	40	100	0.5	0	1.8%	0.7%	0.0	65.5
Lake Street													
Adams to Indianapolis	Single Family Residential	2	12	0	6,900	35	50	0.5	0	1.8%	0.7%	0.0	61.2
Indianapolis Avenue													
Beach to Newland	Single Family Residential	4	0	0	10,000	30	75	0.5	0	1.8%	0.7%	0.0	59.2
Atlanta Avenue													
Newland to Beach	Multi-Family Residential	4	12	0	18,900	35	75	0.5	0	1.8%	0.7%	0.0	63.1
Beach to Delaware	Single and Multi-Family R	2	12	0	12,100	35	50	0.5	0	1.8%	0.7%	0.0	63.6
Delaware to Huntington	Single and Multi-Family R	2	12	0	12,000	35	50	0.5	0	1.8%	0.7%	0.0	63.6
Huntington to 1st	Single and Multi-Family R	2	0	0	12,000	30	50	0.5	0	1.8%	0.7%	0.0	62.5
Main Street													
Adams to Palm	Single Family Residential	2	0	0	8,400	30	50	0.5	0	1.8%	0.7%	0.0	60.9
1st Street													
PCH to Atlanta	Single Family Residential	4	0	0	5,000	30	75	0.5	0	1.8%	0.7%	0.0	56.2
Huntington Avenue													
PCH to Atlanta	Single Family Residential	4	0	0	2,000	30	75	0.5	0	1.8%	0.7%	0.0	52.2

#### General Plan (2020) With Project

Pacific Coast Highway													
17th to 9th	Multi-Family Residential	4	12	0	52,670	40	75	0.5	0	1.8%	0.7%	0.0	68.8
Beach Boulevard													
PCH to Atlanta	Single Family Residential	6	12	0	26,004	35	100	0.5	0	1.8%	0.7%	0.0	62.7
Atlanta to Indianapolis	Single Family Residential	6	18	0	35,579	40	100	0.5	0	1.8%	0.7%	0.0	65.4
Indianapolis to Adams	Single and Multi-Family R	6	18	0	40,038	40	100	0.5	0	1.8%	0.7%	0.0	66.0
Lake Street													
Adams to Indianapolis	Single Family Residential	2	12	0	7,285	35	50	0.5	0	1.8%	0.7%	0.0	61.4
Indianapolis Avenue													
Beach to Newland	Single Family Residential	4	0	0	10,195	30	75	0.5	0	1.8%	0.7%	0.0	59.3
Atlanta Avenue													
Newland to Beach	Multi-Family Residential	4	12	0	19,566	35	75	0.5	0	1.8%	0.7%	0.0	63.2
Beach to Delaware	Single and Multi-Family R	2	12	0	13,962	35	50	0.5	0	1.8%	0.7%	0.0	64.2
Delaware to Huntington	Single and Multi-Family R	2	12	0	14,231	35	50	0.5	0	1.8%	0.7%	0.0	64.3
Huntington to 1st	Single and Multi-Family R	2	0	0	12,277	30	50	0.5	0	1.8%	0.7%	0.0	62.6
Main Street													
Adams to Palm	Single Family Residential	2	0	0	9,273	30	50	0.5	0	1.8%	0.7%	0.0	61.3
1st Street													
PCH to Atlanta	Single Family Residential	4	12	0	6,648	30	75	0.5	0	1.8%	0.7%	0.0	57.6
Huntington Avenue													
PCH to Atlanta	Single Family Residential	3	0	0	3,422	30	75	0.5	0	1.8%	0.7%	0.0	54.4

<sup>1</sup> Distance is from the centerline of the roadway segment to the receptor location.